

KALISPELL SCHOOL DISTRICT NO. 5
AND
FLATHEAD HIGH SCHOOL DISTRICT

Request for Proposals

Wireless Wide Area Network System

January 7, 2005

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Request for Proposals Wireless WAN Network System

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1.0 Introduction

1.1 Summary

This document has been prepared to solicit proposals for equipment purchases and possible installation of a wireless Wide Area Network on behalf of Kalispell School District 5 (SD5). The proposed solution will replace an existing leased line WAN infrastructure operating at approximately 1.5 mbs. This document will provide bidders with detailed specifications on equipment desired to accomplish the migration. Based on the proposals the district may determine to install the equipment with in house personnel or ask the bidder to provide the equipment and installation. It is likely that the bidder will install the equipment.

Bidders should provide proposals on equipment only and equipment plus installation of equipment at each of the sites described within this proposal. Bidders should note that if they are providing equipment only, all of the equipment should be delivered to the district by no later than March 11, 2005. Bidders awarded equipment and installation need to be completed with the installation and have the WAN fully operational by April 15, 2005. The district enjoys Spring Break the entire week of March 21. During this time students will not be on campus. This would be an excellent time for school site installation.

The RFP will be made available on the district docushare website: <http://www.sd5.k12.mt.us/doc>. In addition the RFP may be obtained from the district office:

Kalispell School District # 5
Attention: Albert Booky
233 1st Ave. East
Kalispell, MT 59901

1.2 Description of Organization

The locations impacted by this proposed WAN at Kalispell School District # 5 include: (1) centralized tower [Cenex grain elevator], (1) Administration building, (4) elementary schools, (1) middle school, (1) junior high school, (1) high school and (1) vocational center. The District consists of approximately 500 staff members that serve roughly 5200 students. Two additional locations: (1) new high school and (1) existing elementary will be added to the wireless WAN in 2007. These locations are not addressed in this proposal but the solution installed needs to have the capacity to allow for expansion to these sites in the future.

1.3 Project Goals / Objectives

- to increase WAN bandwidth per site from the present 1.5 Mbps to a minimum "real" data throughput of 20 Mbps per site.
- ability to monitor availability and performance remotely
- provide estimated reliability of 99.995% (uptime) of WAN
- provide a cost effective solution to leased lines
- allow for central placement of specific application servers to be accessed across the high speed WAN
- install the new WAN in parallel with the present WAN, test thoroughly for 30 – 60 days prior to complete cut over to the new WAN during the summer of 2005. The existing leased WAN circuits will be kept for redundancy where cost effective.

1.4 References

All bidders are required to provide at least three references from other clients who have had projects similar in size and scope to the SD5 project within the past 3 years. The following information for each reference must be included:

- Client/company name
- Contact name, title, telephone number and email address
- Project scope in dollars and duration
- Project description and how it is relevant to this RFP
- Equipment installed

1.5 Schedule of Events

Event	Date
RFP Issuance	January 7, 2005
SD5 Facilities Site Visit Opportunity	January 20, 2005 @ 10:00 am
Proposal Due	February 4, 2005 @ 2:00 pm
Evaluation Completed	February 8, 2005
Selection Announced @ Board Meeting	February 8, 2005 @ 9:00 pm
If equipment only bid - all equipment delivered by	March 11, 2005
If equipment + installation - project completion by	April 15, 2005

1.6 Budget Constraints

SD5 has not designated a set amount for this project. However, all entities submitting proposals should be aware that cost will be a significant factor during the selection process. All proposals should be priced competitively for consideration.

1.7 Questions about this RFP

All questions regarding contractual and legal requirements found in the "2.0 General Information" section should be directed to Mr. Todd Watkins. All other questions should be directed to Albert Booky – IT Network Administrator

Kalispell School District # 5
233 1st Ave. East
Kalispell, MT 59901

Albert Booky
Email: bookya@sd5.k12.mt.us
Voice: 406-751-3407
Fax: 406-751-3425

Todd Watkins
watkinst@sd5.k12.mt.us
406-751-3412
406-751-3425

2.0 General Information

2.1 Bidding Information

The Board reserves the right to accept or reject any or all proposals received in response to this RFP. Furthermore, the district reserves the right to select or reject any part of any of the proposals to develop the most effective configuration of equipment and to negotiate with any party for terms and conditions of the contract. The school district reserves the right to accept any proposals, with price not being the main emphasis of the selection process.

2.2 Proposal Submission

Please review this RFP carefully before responding to ensure that the bidder understands fully all procedural, system, and contractual requirements. During the optional site visit and / or via phone conversation is the appropriate forum for requesting clarification of any elements that remain unclear. To be considered for selection, vendors must submit a complete response to this RFP as detailed in this section and the remaining sections.

Vendors are requested to submit an original and three (3) copies of the proposal in response to this RFP. A set of tabs to identify each part of the proposal must be inserted to facilitate quick reference. Please number the pages in each section for easy reference over the telephone.

A review and selection committee has been formed to advise the Board on the proposal that best meets the needs of the district. The committee consists of:

David Beyer	Information Technology Facilitator
Albert Booky	Information Technology Facilitator
Murry Graham	Information Technology Facilitator

Please submit your proposals to Mr. Todd Watkins at the address shown below. Proposals must be sealed and clearly labeled "WIDE AREA NETWORK SYSTEM." Proposals must be received by February 4, 2005 @ 2:00 PM MDT. Late proposals will not be accepted. Faxed copies will not be accepted.

Kalispell School District # 5
Attn.: Mr. Todd Watkins
233 1st Avenue East,
Kalispell, Montana 59901

2.3 Vendor Site Visit

Vendors are invited and encouraged to tour the facilities on January 20, 2005 @ 10:00 am prior to the submission of a proposal. The tour will begin at the Administration building located at 233 1st Ave. East, Kalispell, MT. Please RSVP to Albert Bookya [bookya@sd5.k12.mt.us or 406-751-3407] by January 18 so adequate transportation can be provided if you are planning to attend. The purpose of the site visit is to provide vendors an opportunity to ask questions arising from their review of the system specifications and a site inspection of the buildings. Discussions of changes to the RFP will only apply, if followed by a written amendment to the RFP.

2.4 Amendments to RFP

If amendments become necessary for this RFP, they will be posted on the web site. (<http://www.sd5.k12.mt.us/doc> under the Wireless RFP link)

2.5 Cost to Prepare Proposals

The invitation to submit a proposal does not commit the school district to pay any costs incurred in the submission of the proposal, or in making any necessary studies or designs for its preparation.

2.6 Complaint of Requirements Process

Vendors may protest RFP requirements or specifications by filing a formal written complaint:

Kalispell School District # 5
Attn.: Mr. Todd Watkins
233 1st Avenue East,
Kalispell, MT 59901

Complaints may be filed within three (3) days after the Vendor site visit. Complaints must include specific reasons and proposed changes to specifications. Complaints will be responded to in writing within three business days. Vendors will be notified of any changes to the RFP via the Amendment Process.

2.7 Protest of Award

Vendors may protest the award of the contract by filing a formal written complaint with the Kalispell School District:

Kalispell School District # 5
Attn.: Mr. Todd Watkins
233 1st Avenue East,
Kalispell, MT 59901

Protests of award must be filed in writing within 24 hours of contract award at the administration building. The written protest shall specify the grounds upon which the protest is based. In order to be considered adversely affected or aggrieved, the vendor making the claim must be a bidder and be eligible for award. Award Protests will be reviewed. The school district officer or designee shall have the authority to settle or resolve a written protest. If the protest is not settled or resolved by mutual agreement a written decision on the protest shall be issued.

2.8 Proprietary Information

The school district agrees to hold confidential and not disclose to any outside parties any information included in proposals that is marked as proprietary or confidential, as allowed by law.

2.9 Access to Premises

Access to customer premise for installation will be allowed during normal business hours or as arranged in advanced.

2.10 Acceptance of Proposal Content

The Vendor will be expected to enter into a contract based on proposals made and the terms and conditions of the RFP and any subsequent amendments. Failure to complete negotiations will result in disqualification of the proposal.

The contents of the proposal of the Vendor, specifically including those parts that deal with contractual requirements, purchase prices, and official published specifications will become contractual obligations, and will be made part of the final contract. RFPs must be submitted with an authorized signature. If any discrepancy arises between the vendor's form contract and the proposal, the terms in the proposal shall prevail. Failure of the Vendor to accept these obligations in a purchase agreement, purchase order, delivery order, or similar acquisition instrument may result in cancellation of the award.

2.12 Price Increases and Taxes

Vendors must affirm that the purchase price of the system will be valid for a minimum of 120 days after the proposal is submitted. However, upon the award of a contract, the purchase price becomes firm and may not be changed thereafter.

Taxes, neither state nor federal, shall be included in bid prices.

2.13 Bid Security

If the bid meets or exceeds twenty five thousand dollars (\$25,000) either in part or in total, bid security totaling 10% of the total basic bid shall be submitted with the bid package in the form of lawful moneys of the United States, a cashiers check or a bank draft payable to Kalispell School District, or a satisfactory bid bond executed by an acceptable surety.

2.14 Indemnity

Vendor shall agree to defend, indemnify and hold harmless Kalispell School District # 5 (including their officers, agents and employees) from all demands, loss, claims, damage, or liability including attorneys' fees and related legal expenses resulting from injury to or death sustained by any person (including but not limited to Vendors employees and subcontractors) or damage to property of any kind which injury, death, or damage arises out of the work to be performed by the Vendor, except such obligations shall not be applicable to injury, death or damage to property or persons resulting from the negligence or willful misconduct of the school district, their officers, agents or employees.

2.15 Insurance and Letter of Credit

The Vendor shall carry liability insurance or be self-insured to cover damage to person or property in limits of not less than \$1,000,000 combined single limit and workers compensation, and employer's liability insurance with a limit of not less than \$300,000. Certificates of insurance shall be filed with the Local Government and shall be subject to its approval as to the adequacy of the protection.

To be considered a valid proposal, the Vendor must submit letter(s) of credit from an appropriate financial institution authorizing that vendor possess sufficient credit to deliver and install equipment proposed.

2.16 Components of a Complete Response

- Proposal assurances signature page
- Detailed cost structure with component level pricing.
- Cost Structure for equipment only and equipment plus installation
- Breakout of one-time costs and recurring costs
- Diagrams of systems
- Maintenance plan
- Support / Warranty plan
- Letter of credit
- At least three (3) references of installed systems - similar size and scope
- Exceptions list
- Bid Bond
- Vendor Questionnaire

2.17 Physical location of sites

- | | |
|---------------------------|-------------------------------|
| • Cenex Grain Elevator | 505 West Center Street |
| • Administration building | 233 1 st Ave. East |
| • VoAg Center | 1259 Willow Glenn Road |
| • Hedges | 827 4 th Av. East |
| • Linderman | 124 3 rd Ave. East |
| • FHS | 644 4 th Av East |
| • Elrod | 412 3 rd Av. East |
| • Peterson | 1119 2 nd St West |
| • Russell | 227 W. Nevada |
| • KJHS | 205 Northwest Lane |

Sites to be installed during the summer of 2007 by SD5 staff

- | | |
|----------------------------|---|
| • Proposed New High School | Corner of Stillwater Road and West Reserve Road |
| • Edgerton | 1400 Whitefish Stage Road |

3.0 Proposal Requirements

3.1 Summary

The wireless WAN project will consist of the deployment of 5 GHz unlicensed point-to-point circuits between each of 9 sites and a centralized grain elevator tower (owned by Cenex Corp.) in Kalispell, MT. Space on the facility has been leased for this purpose. A local cellular provider was using the tower but has abandoned the location for business reasons. SD5 will use the outside chain link enclosed cement pad with power to locate the enclosed network equipment on the ground. [see Appendix A figure 1 for diagram]. From this tower, point-to-point circuits will be installed at 9 separate sites across the district [see Appendix A - figure 2 for diagram]. All locations are within a 3 mile radius of the central tower [most less than 1 mile] and all but 1 have good line of sight. A second high school will be opened during the summer of 2007. The wireless WAN will be extended to this site at this time. The bidder should compose the bid such that SD5 has the ability to accept and equipment only bid or an equipment plus installation bid. If an equipment only bid is accepted, some level of consulting over the phone and possibly onsite consulting may be required during installation. Please specify these remote and local consulting rates in your bid.

3.2 Current Environment

Data: There are (13) sites connected to the present WAN with point-to-point ADSL and T1 leased lines. All sites connect back the Administration building which houses the district firewall, public www and email servers and 3 mbs wireless access to the internet [see Appendix A - figure 3 for diagram]. The wireless internet connection is a point-to-multipoint circuit leased from our ISP, Transaria. This leased circuit will stay in the Admin building. Transaria has a multipoint base station(s) at a tower located approximately 2 blocks NE of the proposed Cenex grain elevator tower that will serve as the hub for the SD5 wireless WAN. Transaria runs Aperto equipment in the 5 GHz spectrum and provides services to several customers in Kalispell. Frequency coordination with Transaria and other providers in the area will be required to minimize connectivity issues.

Voice: The district operates a voice network totally separate of its data network. This is a traditional channelized point-to-point digital T1 network [not voip] with NEC NEAX 2000 PBXs at each school location [installed in 1999]. The voice mail server resides in the Admin building [see Appendix A - figure 5 for diagram]. It is not within the scope of this RFP to modify the existing voice network. It would be helpful for the bidder to make possible recommendations on what equipment would be necessary to channelize T1s over the wireless WAN at a future date.

3.3 Suggested Environment

All data on the WAN will be TCP/IP traffic. We will install a router (like a Cisco 831) at each site that will only allow WAN based traffic (primarily Student Information System and Internet) out of each building LAN. This site router purchase and installation will be SD5's responsibility.

Individual Site information:

Site	Distance to Cenex	Detail
Admin Bld	.5 mi	This location has a limited number of users (20) but does house the district www, email and Business Office servers and provides the last hop to the district's 3 Mbps internet connection. Most bandwidth requirements are internal LAN based with the exception of some internet traffic. The VMS Business Office server has a limited number of users across the district that access budget and purchasing systems via Telnet and requires little WAN bandwidth. This location has good line-of-sight to the Cenex tower
VoAg Center	3 mi	This site has a small staff and 100 – 200 students that are bussed to this site for 2-3 periods / day from FHS and will be bused from the new high school as well. These students will require access to their respective building servers to save and retrieve data. All printing will be local. This location has good line-of-sight to the Cenex tower
Hedges	.7 mi	This K-6 elementary school has around 20 – 30 staff members and 300 students that will need limited access to the SIS at FHS and internet access. This will become a K-5 elementary during the summer of 2007 with student and staff numbers reduced accordingly. This location has poor line-of-sight to the Cenex tower because of trees. A 20 – 30' mast will probably be required to get above the trees at which time there will be good line-of-sight.
Linderman	.5 mi	This 7 th grade middle school has around 20 – 30 staff members and 330 students that will need limited access to the SIS at FHS and internet access. This site will be closed during the summer of 2007 and combined with KJHS. This location has good line-of-sight to the Cenex tower
FHS	.4 mi	This 10 – 12 grade high school currently has around 175 staff members and 1800 students. This site has a high need to access the SIS and highest internet access requirements in the district. This location will host the district SIS after the site based upgrade of SIS during the summer of 2005. This location will have the highest bandwidth requirements since users from all other sites will be accessing the SIS located here. There will also be some distance teaching between FHS and the new high school across the WAN. Staff and students numbers will decline after the summer of 2007 to around 1400 students. This location has good line-of-sight to the Cenex tower.
Elrod	.3 mi	This K-6 elementary school has around 20 – 30 staff members and 330 students that will need limited access to the SIS at FHS and internet access. This will become a K-5 elementary during the summer of 2007 with student and staff numbers reduced accordingly. This site is just one block north of FHS. There is not good line-of-site between the two sites due to heavy tree foliage. This location has good line-of-sight to the Cenex tower
Peterson	.4 mi	This K-6 elementary school has around 20 – 30 staff members and 330 students that will need limited access to the SIS at FHS and internet access. This will become a K-5 elementary during the summer of 2007 with student and staff numbers reduced accordingly. This location has good line-of-sight to the Cenex tower.
Russell	.6 mi	This K-6 elementary school has around 20 – 30 staff members and 330 students that will need limited access to the SIS at FHS and internet access. This will become a K-5 elementary during the summer of 2007 with student and staff numbers reduced accordingly. This location has good line-of-sight to the Cenex tower

KJHS	1.25 mi	This 8 – 9 grade school has around 75 staff members and 1000 students that will need moderate access to the SIS at FHS and internet access. This site will become a 6 – 8 middle school during the summer of 2007. Student and Staff numbers will stay about the same but SIS and internet requirements will decline some at that time. This site presently provides a link to an alternative high school, Bridge Academy (3 staff & < 150 students) that grants them internet access. It is unclear if Bridge will remain open after the summer of 2007. Bridge requires very little SIS and internet access. The KJHS location has good line-of-sight to the Cenex tower
New High School	3 mi	Opens 2007: This site will have the 2 nd highest bandwidth requirement in the district. There will be about 1200 students at this location plus staff. This site will require a 100 – 125' tower to gain good line-of-site to the Cenex tower. Connectivity to this site is outside the scope of this RFP but should be considered during engineering of the WAN. A point-to-point circuit will be installed during the summer of 2007.
Edgerton	N/A	This K-6 elementary school has around 30 – 40 staff members and 530 students that will need limited access to the SIS at FHS and internet access. This will become a K-5 elementary during the summer of 2007 with student and staff numbers reduced accordingly. This location has no line-of-sight to the Cenex tower since it is behind a hill. It does have good line-of-sight to the new high school location and will be connected to the new high school with a point-to-point circuit during 2007 to allow connectivity to all WAN resources. Until 2007 Edgerton will continue to connect to the WAN via a point-to-point T1 to the Admin bldg.

Note: digital photos of each site taken from the top of the Cenex tower are available at: <http://www.sd5.k12.mt.us/doc> under the Wireless RFP link.

Two primary goals of the network bandwidth upgrade are:

- 1) Provide enough bandwidth between sites to allow for an upgrade to the existing Student Records Information System (SIS) from site based to District based. The Client/Server SIS currently operates on individual building servers in their LAN environment only. The district based upgrade will combine data from all locations to one central server. The district server will be located at the present Flathead High School (FHS) site since this has the highest concentration of SIS users. This will require the FHS-to-Cenex link to accommodate traffic from all other sites since all locations will access their SIS from the server located at FHS.
- 2) Provide adequate bandwidth when the new high school is brought onto the WAN during the summer of 2007. This location will have the second largest concentration of users. In addition to SIS access to FHS the WAN will need to accommodate some distance learning (including video) between the two high schools sites. The exact bandwidth requirement for this video / voice transmission is unclear at this point. However the use of VLANs over the WAN may be required to ensure proper packet arrival for video over TCP/IP.

Note: Each individual site will continue to use their local file and printer server(s) for LAN based activities at that site with the exception of the VoAg Center where a limited number of students will need access to their Student server located at FHS or new high school when it is constructed.

Site Detail Summary

All sites have good line of site from their roofs with the exception of Hedges. All roofs are flat with the exception of Hedges which is a gable roof. Hedges does have a chimney stack that could quite possibly support a mast. It is likely that a 5 - 6' tripod attached to a weighted platform will provide acceptable antenna mounting at all sites except Hedges. Hedges will require some type of 10 - 30 ' mast to get above the trees unless a near-line-of-sight solution is capable of shooting through tree foliage. The farthest location from the Cenex tower is the VoAg Center, around

3 miles. The new high school will also be close to 3 miles from the Cenex tower. Most sites are within 1 mile of the Cenex tower. The district has been looking at wireless options for almost a year including leased solutions. Our desire is to provide the highest degree of net total throughput, reliability, flexibility and security between sites that is possible given our budget. For this reason it has been decided that point-to-point circuits would be a better choice than point-to-multipoint. It has also been determined that high quality radios using RF bands in the 5 GHz spectrum should adequately meet SD5 technical and budgetary requirements. The current plan is to locate all central equipment (except antennas) in a chain-link enclosure at ground level in a climate controlled enclosure at the base of the 150' Cenex tower (Appendix A – Figure 1). Equipment at each site will be installed on rooftops.

Temperatures can be extreme in Kalispell. It is not uncommon for temperatures to drop below zero degrees F for several days at a time. Listed below are minimal specifications that the RF equipment should meet to be considered adequate. Bidders should specify detailed specification on their equipment in the right most column.

3.4 Wireless Equipment Requirements

Minimum Specifications

Item	Minimum Requirement	Equipment Bid Spec
Radio Frequency	5 GHz unlicensed spectrum	
Non overlapping channels	5	
Data Rate	20 Mbps net total throughput – half duplex	
Channel size	20 MHz	
Modulation	OFDM – BPSK, QPSK, 16 QAM, 64 QAM	
Duplex	TDD (time division duplexing)	
Antenna	Multiple choices – high -gain external, connected to radio via at CAT5 @ 100m. Power over Ethernet	
Estimated reliability	99.995% uptime	
Line of Sight	LOS required (near line-of-sight not required)	
Ethernet Interface	10/100 Base-T auto negotiation (RJ45), Bridging	
VLAN support	Based on 802.1q	
Security	Advanced security capabilities including authentication, WEP and AES based Encrypted transmission and VLAN capabilities	
Traffic Prioritization	Based on 802.1P	
E1/T1 interface	Not required but specify if available	
Installation	Describe ease of setup, antennae alignment, included tools / utilities.	
Management Options	SNMP, remote over the air software upgrade and configuration. Specify mgmt and monitoring tools / utilities.	
Extended Warranty	1 year	
Service	24 / 7 with spare in the air within 24 hours	
Power requirements	Specify what is required at enclosure ----->	
Lightning protection	On all equipment	
Compliance	All applicable FCC and UL guidelines	
Non RF equipment provided by bidder		
Cenex – Enclosure	Internal 19" rack mount, climate control, located on ground ~150' below antennas	
Cenex – router / switch	Capable of layer 2 routing (if router then Cisco preferred, if switch then managed HP or Cisco preferred)	
Cenex UPS	APC – uptime on battery for all equip = 15 min	

Suggested Equipment

The equipment suggested below appears to offer acceptable bandwidth capability in a reliable and cost effective manner. The bidder would be responsible to determine the actual device, antennae, etc. needs for each individual site and provide the corresponding vendor part numbers, descriptions and prices. See *Technical Solution & Detailed Cost Breakdown* form in Appendix B.

The bid must include specifications / data sheets on all equipment bid.

Point-to-point Circuits

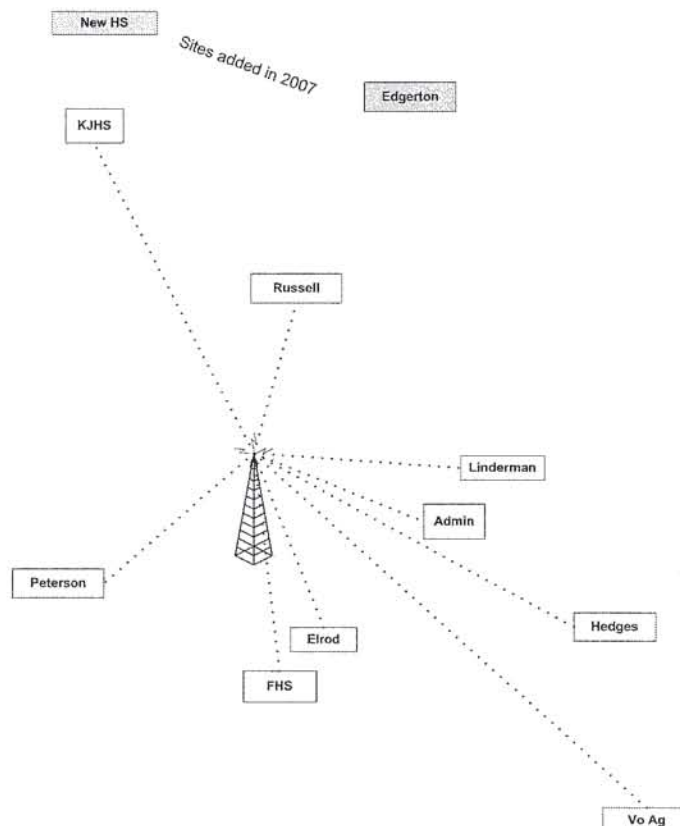
- Possible Radio(s):
 - RAD Data Airmux-200
 - Alvarion – BreezeNET B28
 - Redline AN-50 P2P

Other Equipment at Cenex Tower

- Appropriate managed Ethernet switch and / or Cisco router that will provide transparent layer 2 routing / switching
 - Note: SD5 uses HP2524 managed switches throughout most of it's networks
- Outdoor enclosure – with climate control [internal 19" rack mount] – located on the ground, not top of tower
- APC UPS

Suggested configuration for individual school site(s)

- Point-to-point radio, antenna, mounting & cabling
- Cisco 831 router (provided, configured and installed by SD5)
- APC UPS (provided, configured and installed by SD5)



3.5 Vendor Questionnaire - Required

1. Describe what equipment will be installed at each location and diagram traffic flow between sites.
2. Detail all of the equipment that will be installed including cost, manufacture and model numbers.
3. Describe any and all other design options and features that you suggest SD5 consider as necessary.
4. Detail the specific monitoring and reporting capabilities of the wireless equipment.
5. Describe your service organization including hours of operation, escalation procedures and anticipated maximum response time associated with device failures.
6. With regard to installation, configuration and testing, describe what documentation the bidder will provide. At a minimum, network diagrams are required in printed and digital form.
7. Describe what consulting services you are willing to provide to SD5 if an equipment only option is accepted as the bid. Please specify consulting rates for both phone and onsite consulting availability in Kalispell.
8. Describe what ongoing support / consulting your company is willing to provide and those consulting rates for both phone and onsite support.
9. Provide your company profile including years in business, technicians available and familiarity with equipment bid and any applicable certifications.

4. Assurances

The following list of assurances must be completed, must be signed, and must be submitted as part of the submitted bid. By signing this list of assurances and by quoting the required proposed cost(s), the Vendor agrees to the bid requirements as stated in the bid specifications for all equipment bid and / or installed at Kalispell School District # 5.

Assurances	Yes	No
1. The Vendor agrees that all shipping costs will be borne by the Vendor.		
2. The Vendor agrees to list the requisite number and the requisite type of references.		
3. The Vendor adheres to standards and recommended installation requirements for all equipment.		
4. The Vendor agrees that any replacement part used in a warranty issue must have the same warranty agreement of the parts accepted for bid and it must remain under warranty until the life of the original warranty expires.		
5. The Vendor agrees to install only equipment specified in the bid. Furthermore, the Vendor agrees that all documentation supporting this equipment will be provided at the time of delivery / installation.		
6. The Vendor agrees that the deadline for the submission of this bid to Kalispell School District # 5 is 4:00pm, February 4, 2005.		
7. The Vendor agrees to warranty all parts and labor (if provided) for all of the equipment provided.		
8. The Vendor agrees that for warranty requests the Vendor has within 24 hours of notification to respond to this warranty problem and either to repair or to replace the defective part(s).		
9. The Vendor agrees that Kalispell School District # 5 has the right to reject any and all bids, to waive any and all technicalities, and to award all or any part of the bid in a manner that is in the best interest of the school system.		
10. The Vendor agrees to provide the Kalispell School District # 5 with "Net 30" terms		

Printed Name

Name of Company

Signature

Position

CALL FOR BIDS
SCHOOL DISTRICT NO. 5 AND FLATHEAD HIGH SCHOOL DISTRICT
FLATHEAD COUNTY
KALISPELL, MONTANA
WIRELESS (WAN) SYSTEM

The Board of Trustees, School District No. 5 and Flathead High School, Flathead County, Kalispell, Montana is calling for sealed bids for a wireless (WAN) system to include equipment and/or installation.

Copies of specifications may be obtained from Albert Booky, IT Director, Administration Office, 233 First Avenue East, Kalispell, Montana 59901 (406) 751-3407. To be considered all bids must be directly submitted to the District Clerk's Office, C/O Todd Watkins, 233 First Avenue East, Kalispell, MT 59901 by February 4, 2005 at 2:00 p.m., (local time). All bids will be opened and read aloud on February 4, 2005 at 2:00 p.m., (local time) in the Office of the District Clerk, 233 First Avenue East, and taken under advisement. A recommendation to accept or reject the bids will be made to the Board of Trustees at a regular Board meeting scheduled February 8, 2005 at 7:00 p.m., located at the Kalispell Junior High School Library. All bids must be plainly marked "Wireless WAN System Bid".

The Board of Trustees of School District No. 5 and Flathead High School District, Flathead County, Kalispell, Montana reserves the right to reject any and all bids, to waive formalities, and to accept the bid deemed most advantageous to the School District.

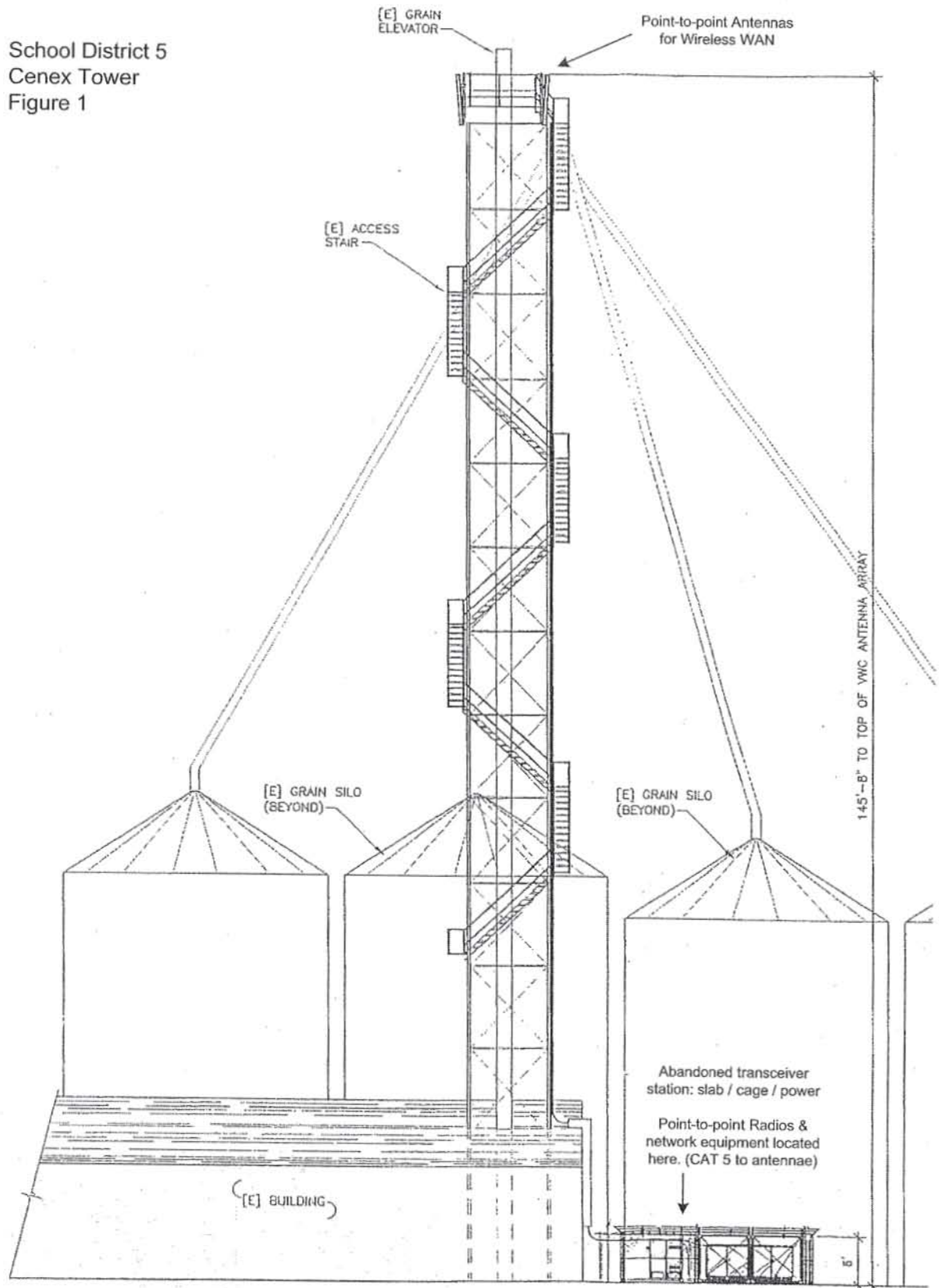
Todd Watkins, District Clerk
School District No. 5 and Flathead High School District
33 First Avenue East
Kalispell, MT 59901

PUBLICATION DATES:

Daily Interlake
January 7, 2005
January 20, 2005
January 27, 2005

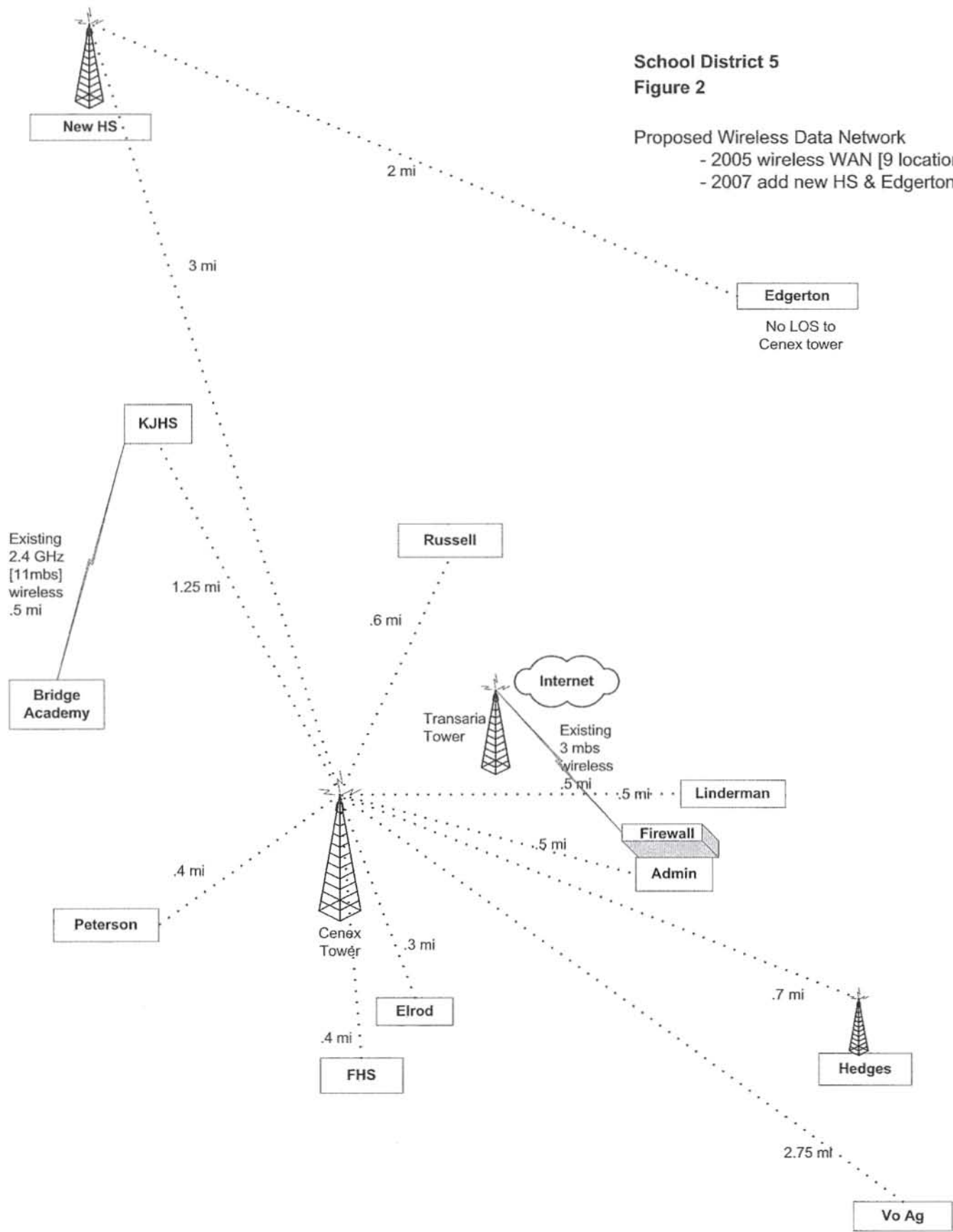
Appendix A.- Diagrams

School District 5
Cenex Tower
Figure 1



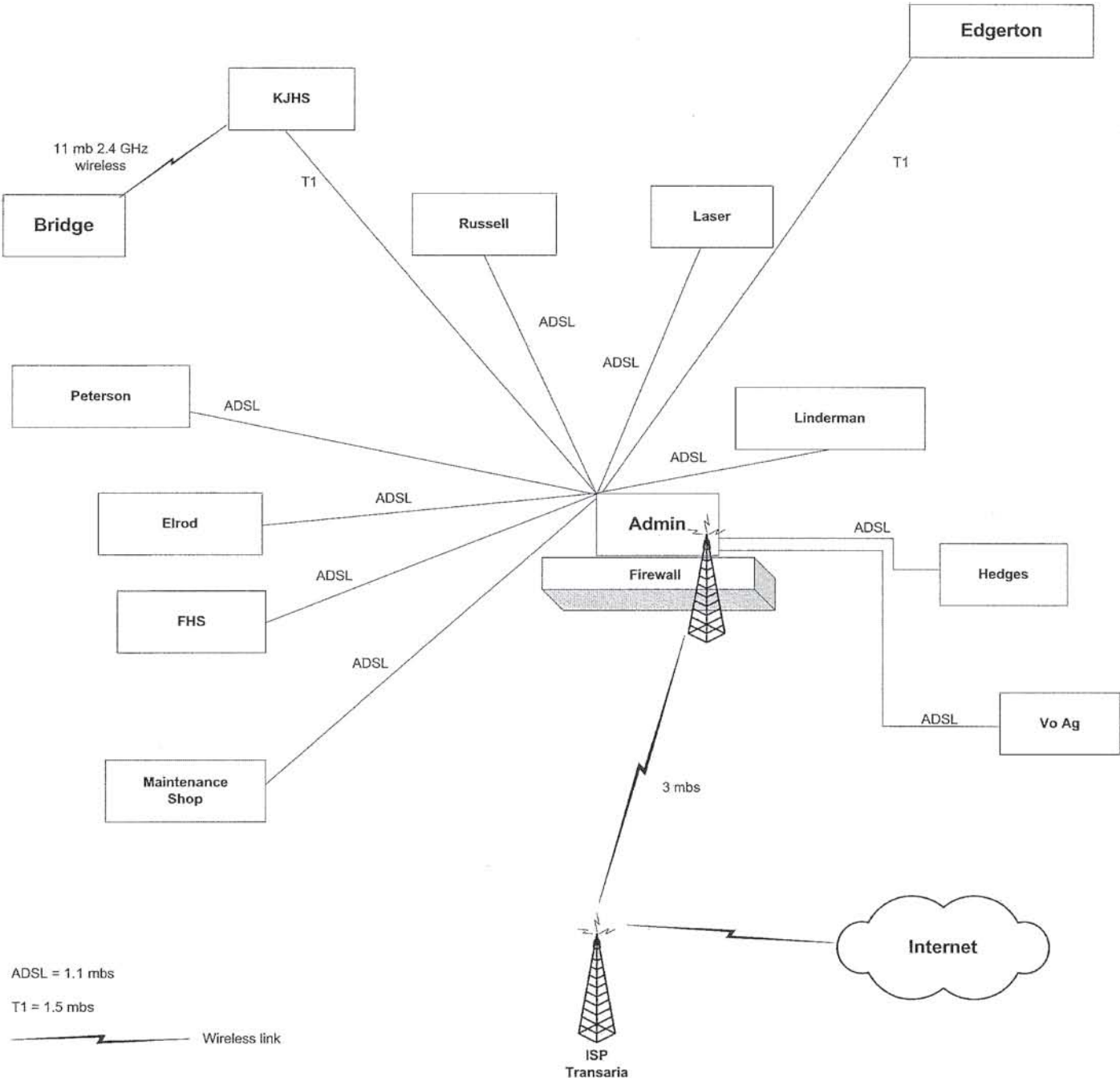
School District 5
Figure 2

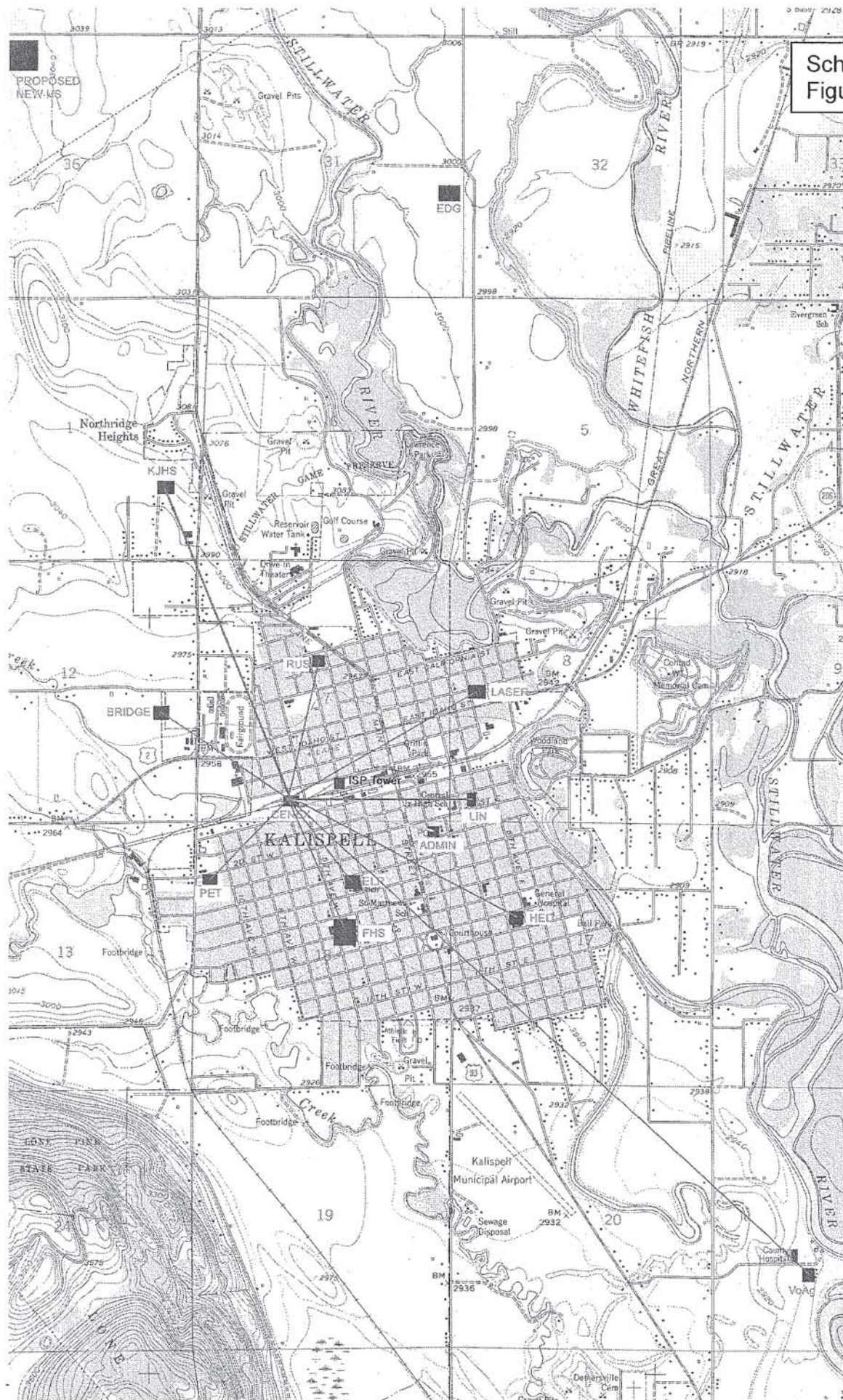
Proposed Wireless Data Network
- 2005 wireless WAN [9 locations]
- 2007 add new HS & Edgerton



\\landocs\wireless WAN - new HS.vsd

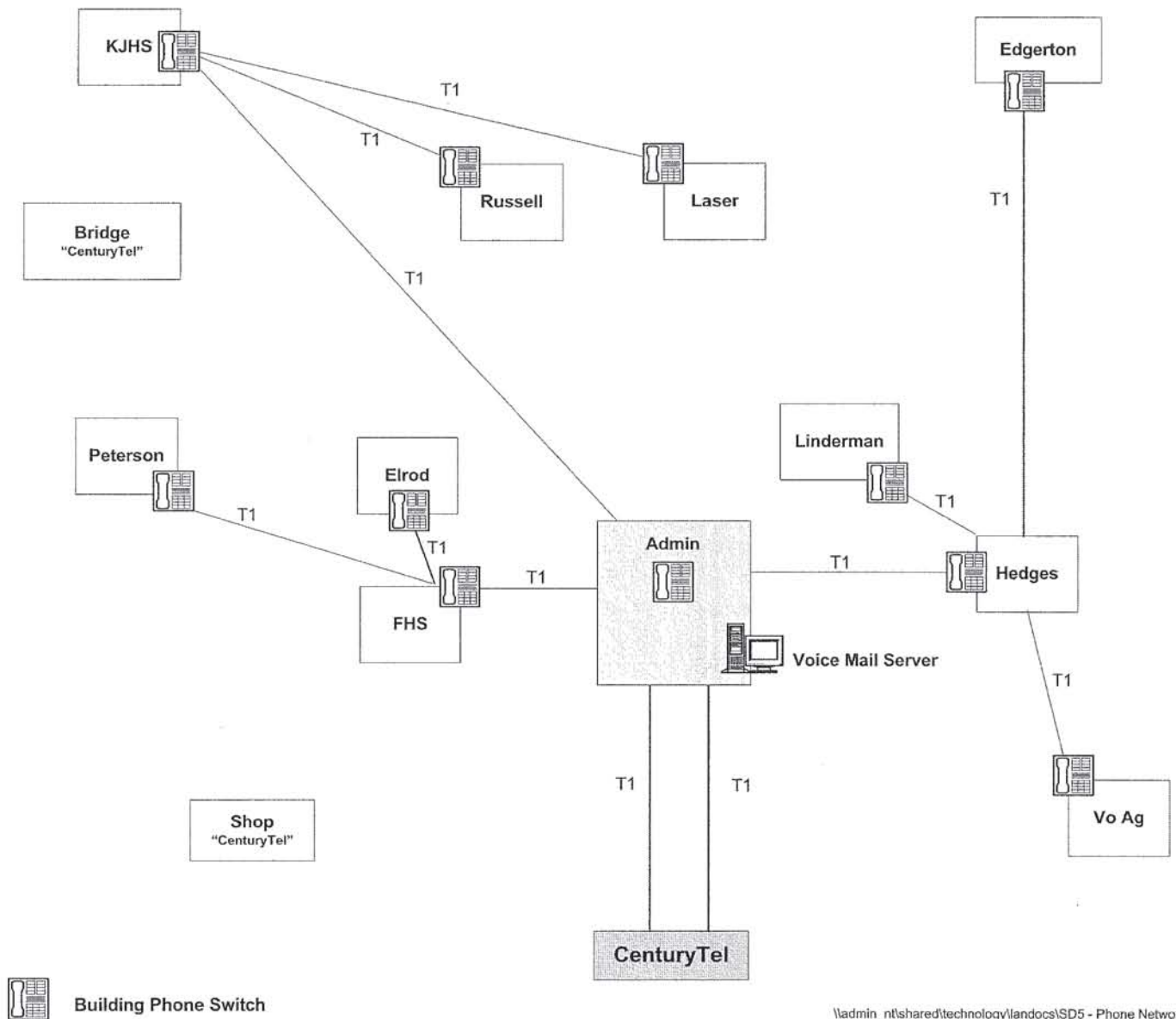
School District 5
Current Data Network
Figure 3





School District 5
Figure 4

School District 5
Voice Network
Figure 5



\\admin_nt\shared\technology\landocs\SD5 - Phone Network.vsd

Site Name:

[illegible]

Subtotal	
Shipping	
Labor	
Total	

Appendix B - Cost Breakdown Summary by Site

Site	Equipment Only Cost	Equipment + Labor for Installation	Total
Cenex Tower			
Administration building			
VoAg Center			
Hedges			
Linderman			
FHS			
Elrod			
Peterson			
Russell			
KJHS			
		Total	
Recurring annual fees			
- Hardware Support			
- Service Contracts			
		Total	

Rates for remote and onsite consulting during installation: